

475 17<sup>™</sup> Street Suite 1500 Denver Colorado 80202 Telephone 303 573-1222 Fax 303 573 0461

January 19, 2006

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Attn.: Ms. Diana Whitney

RE: Asphalt Wash 10-23-21-33 Well

Surface Location: NENW Sec. 33-10S-23E (3-well Location)

890' FNL - 1,521' FWL

Lease Serial No.: UTU-73451

Bottom Hole Location: NENW Sec. 33-10S-23E

660' FNL - 1.980' FWL

Lease Serial No.: UTU-73451

Uintah County, Utah

Dear Ms. Whitney:

Enclosed is an original application to drill concerning the above-referenced proposed well. Also enclosed is a copy of the BLM APD. This is a multi-well pad, however, this well's surface and BHL are both on federal lands.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

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**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman-Regulatory Specialist

ara **Enclosures:**  JAN 2 3 2006

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### ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500 Denver, Colorado 80202

Telephone:

303-573-1222

Facsimile:

303-573-0461

January 19, 2006

State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801
Attention: Ms. Diana Whitney

RE: Asphalt Wash 10-23-21-33 Well

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660' FNL - 1,980' FWL

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Uintah County, Utah

Dear Ms. Whitney:

Enduring Resources, LLC respectfully requests a spacing exception for the above-referenced well. Three wells will be drilled from this well pad. Surface locations will be 25', more or less apart. BHL's for each well will be in its own "assigned" 40-acre, 200' drilling window. No BHL's will be within 960' of each other. All of the wells on this pad are being drilled directional to limit surface impact.

Enduring Resources, LLC is the only lease owner within a 460' radius of:

- any point of any of the well bores,
- · surface locations, and
- BHL's, to be drilled from this pad.

Therefore, Enduring Resources, LLC hereby grants itself permission for the exception well locations.

Should you have any questions concerning this matter, please do not hesitate to call 303-350-5114 (aarlian@enduringresources.com).

Very truly yours

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**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman – Regulatory Specialist

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JAN 2 3 2006

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

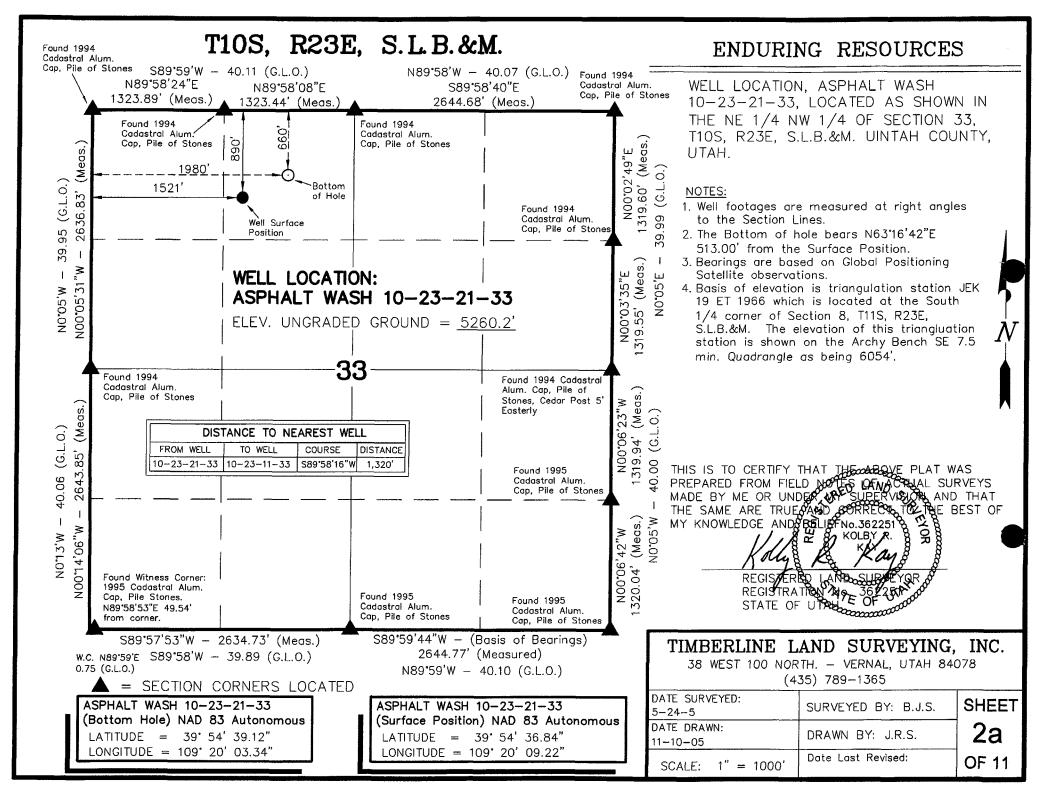
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AMENDED REPORT [ | (highlight changes)

EM. OF OIL, GAS & MINING

	4	APPLICA	TION FOR	PERMIT TO	DODRILL		5. MINERAL LEASE NO: JTU-73451	6. SURFACE: Federal
1A. TYPE OF WO	DRK: D	RILL 🔽	REENTER [	DEEPEN		7	7. IF INDIAN, ALLOTTEE OR	TRIBE NAME:
B. TYPE OF WE	ELL: OIL	GAS 🗹	OTHER	SIN	GLE ZONE 🚺 MULTIPLE ZON	IE 🔲 🖁	B. UNIT or CA AGREEMENT	NAME:
2. NAME OF OPE						9	WELL NAME and NUMBER	₹:
Enduring R		LLC					Asphalt Wash 10	
3. ADDRESS OF 475 17th S	t., Ste 1500	) <sub>City</sub> Denv	er st.	ATE CO ZIP 80	220 PHONE NUMBER: (303) 350-5114	1	0. FIELD AND POOL, OR W	ALDCAT:
4. LOCATION OF AT SURFACE:	WELL (FOOTAGE 890' FNL	ES) <b>6423</b> 01; - 1,521' FW	X 4418908 L NEI	√ <i>39,91020</i> NW Sec. 33-10	6 -109, 335189 OS-23E (3-well Location)	1	1. QTR/QTR, SECTION, TO MERIDIAN:	WNSHIP, RANGE,
		="			· · · · · · · · · · · · · · · · · · ·		NENW 33 108	S 23E S
14. DISTANCE IN	し 4 2 7 I MILES AND DIRE	CTION FROM NE	AREST TOWN OR P	. 9/0838 -/ OST OFFICE:	89.33355b	- 1	2. COUNTY:	13. STATE:
		est of Verna	•				Uintah	UTAH
	O NEAREST PRO	PERTY OR LEASE	LINE (FEET)	16. NUMBER O	F ACRES IN LEASE:	17. NUM	BER OF ACRES ASSIGNED	TO THIS WELL:
660'					600 acres			40 acres
APPLIED FOR	R) ON THIS LEASI	L (DRILLING, COM E (FEET)	PLETED, OR	19. PROPOSEE	DEPTH:	20. BON	D DESCRIPTION:	
1000' + Bl	HL (25' Sur	face)			7,525	RLE	30008031	
		ER DF, RT, GR, ET	C.):		ATE DATE WORK WILL START:	23. ESTI	MATED DURATION:	
5273'	RT-KB			4/1/2006	5	20 d	ays	
24.			PROPOS	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WE	IGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY, YII	ELD, AND SLURRY WEIGHT	
20"	14"	line pipe		40	3 yards	Ready	Mix	
11"	8-5/8"	J-55	24#	2,000	Premium Lead	138	sxs 3.50	) 11.1
					Premium Tail	138	sxs 1.15	5 15.8
7-7/8"	4-1/2"	N-80	11.6#	7,525	Class G	101	sxs 3.3	3 11.0
					50/50 Poz Class G	851	sxs 1.56	3 14.3
					·			
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25.				ATTA	CHMENTS		elogitisi	
VERIFY THE FOL	LOWING ARE AT	TACHED IN ACCO	RDANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:	JUN	FIDENTIAL	•
WELL PL	AT OR MAP PREF	PARED BY LICENS	ED SURVEYOR OR E	ENGINEER	COMPLETE DRILLING PLAN			
<b>V</b> EVIDENC	E OF DIVISION O	F WATER RIGHTS	APPROVAL FOR US	SE OF WATER	FORM 5, IF OPERATOR IS PE	PSON OP (	COMPANY OTHER THAN T	IE I EAGE OVALED
					- Forting, it of Electronic Per		OOMFANT OTHER THAN IT	TE LEASE OVVINER
	Abrim F	D /AI\ A =lie=	_					
NAME (PLEASE F	PRINT) AIVII I	R. (Al) Arliar			<sub>TITLE</sub> Landman - Re	gulator	y Specialist	
SIGNATURE		// //			DATE 1/19/2006			
(This space for Stat	te use only)			App	Proved by the		eral Approval of th on is Necessary	
API NUMBER ASS	SIGNED: 4	13-047-3	7637	Uta Oil, G	h Division of ias, and Mining		RECEIV	ED
		-		Date: 01	26-06/1		JAN 2 3 2	006

(11/2001)



### **SELF-CERTIFICATION STATEMENT**

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well (and the two additional "Federal" wells to be drilled from this same pad and federal lease).

### Asphalt Wash 10-23-21-33 Well

Surface Location: NENW Sec. 33-10S-23E (3-well Location)

890' FNL - 1,521' FWL

Lease Serial No.: UTU-73451

Bottom Hole Location: NENW Sec. 33-10S-23E

660' FNL - 1,980' FWL

Lease Serial No.: UTU-73451

Uintah County, Utah

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.

January 19, 2006

Alvin R. Arlian

Regulatory Specialist

Enduring Resources, LLC

475 17th Street, Suite 1500

Denver, CO 80202 (303) 350-5114

### **Enduring Resources, LLC**

Asphalt Wash 10-23-21-33
Surface Location: NENW Sec. 33-T10S-R23E
BH Location: NENW Sec. 33-T10S-R23E
Uintah County, Utah

Lease #: UTU-73451

### ONSHORE ORDER 1 - DRILLING PLAN

### 1. <u>Estimated Tops of Geological Markers:</u>

Formation	Depth (K.B.) TVD
Uinta	Surface
Green River	191'
Wasatch	3265'
Mesaverde	5183'

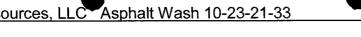
### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5273'	
Oil / Gas	Green River	191'
Oil /Gas	Wasatch	3265'
Oil /Gas	Mesaverde	5183'
	TD	7525'

An 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

### 3. <u>Pressure Control Equipment: (3000 psi schematic attached)</u>

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: <u>Annular Preventer</u>



At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the annular preventer is initially installed:
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

### **Blow-Out Preventer**

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken:
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed. tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2.

#### 4. **Proposed Casing & Cementing Program:**

#### Α. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 7525' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

### **B.** Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
7525 (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.62 (d)	7780/2.16 (e)	223/2.97 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

### PROPOSED CEMENTING PROGRAM

### Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	sxs	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaC <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15  $\rm ft^3/sx$ ) cement will be premium cement w/  $\rm 3\%~CaCl_2 + 0.25~pps$  celloflake. Volume as required

### Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	sxs	EXCESS (%)	WEIGHT (ppg)	YIELD (ft³/sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15

### Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT.	CEMENT TYPE	SXS	EXCESS	WEIGHT	YIELD
}		of			(%)	(ppg)	(ft <sup>3</sup> /sx)
		FILL					
			Class "G" + 5% NaCl				
4-1/2"	Lead	1149	+ 12% Gel + 0.25	101	25	11.0	3.3
			pps celloflake + 0.2%				
			antifoam + 0.25%			ľ	
f			fluid loss +				
			1% extender		٠		
			50/50 POZ Class G +				
4-1/2"	Tail	4660	2% gel +1% CaCl <sub>2</sub>	851	25	14.3	1.56
			+ 0.2% dispersant				
			+ 0.2% fluid loss				
			+ 0.1% antifoam				

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

### 5. **Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' - 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-7525' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

### 6. <u>Evaluation Program:</u>

<u>Tests</u>: No tests are currently planned.

<u>Coring:</u> No cores are currently planned.

<u>Samples:</u> No sampling is currently planned.

### Logging

- Dual Induction SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
   TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

### 7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No  $H_2S$  has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 3,913 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,258 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

### 8. Anticipated Starting Dates:

Anticipated Commencement Date Within one year of APD issue.

Drilling Days Completion Days Approximately 10 days
 Approximately 10 days

• Anticipate location construction within 30 days of permit issue.

### 9. <u>Variances:</u>

None anticipated

### 10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

A measurement while drilling (MWD) system will be used to track and control the directional path of the wellbore.

# ENDURING RESOURCES Asphalt Wash 10-23-21-33 Section 33, T10S, R23E, S.L.B.&M.

### Directions to Surface Location of Asphalt Wash 10-23-21-33

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240), EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 8.06 MILES TO THE PROPOSED ACCESS ROAD. TURN LEFT AND FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3,350 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 83.25 MILES IN A SOUTHERLY DIRECTION.

### **Enduring Resources, LLC**

Asphalt Wash 10-23-21-33
Surface Location: NENW Sec. 33-T10S-R23E
BH Location: NENW Sec. 33-T10S-R23E
Uintah County, Utah

Lease #: UTU-73451

### **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

### 1. Existing Roads:

Directions to the SURFACE LOCATION of the Asphalt Wash 10-23-21-33

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL. UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 8.06 MILES TO THE PROPOSED ACCESS ROAD. TURN LEFT AND FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3,350 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 83.25 MILES IN A SOUTHERLY DIRECTION.

The surface location for the Asphalt Wash 10-23-21-33, Asphalt Wash 10-23-14-28 and Asphalt Wash 10-23-11-33 are all located on this same pad.

#### 2. Planned Access Roads:

The proposed access road will be approximately 5,040' feet of new construction being as follows for each well located on the pad.

Road Segment	Owner	Distance	Asphalt Wash 10-23-21-33	Asphalt Wash 10-23-14-28	Asphalt Wash 10-23-11-33
1	BLM	630'	OFF-LEASE	OFF-LEASE	OFF-LEASE
2	BLM	320'	ON-LEASE	OFF-LEASE	ON-LEASE
3	BLM	410'	OFF-LEASE	OFF-LEASE	OFF-LEASE
4	BLM	330'	OFF-LEASE	OFF-LEASE	OFF-LEASE
5	BLM	2,310'	OFF-LEASE	OFF-LEASE	OFF-LEASE
6	BLM	1,040'	ON-LEASE	OFF-LEASE	ON-LEASE
Total		5,040'			

ALL NEW CONSTRUCTION IS ON BLM LANDS. The balance of the OFF-LEASE road is a Class D County Road (Atchee Wash Road). However, this County Road Class D Road will be improved to meet BLM requirements, if needed. Please refer to Topo Map "B" for the takeoff point for the new road construction and the Class D County Road that will be improved.

An OFF-LEASE 30' wide, access road right-of-way across BLM off-lease lands to access these wells will be needed and is requested herein.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provided a well constructed, safe road. No fence crossings, culverts. turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

#### 3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

a. None: Water Wells: b. None: Injection Wells:

**Producing Wells:** C. (3):

> Rock House 2D-32, NWNE Sec. 32-10S-23E Rock House 6D-32, SENW Sec. 32-10S-23E ii. Rock House 10D-32, NWSE Sec. 32-10S-23E iii.

d. None: Drilling Wells: e. None: Shut-in Wells:

f. None: **Temporarily Abandoned Wells:** 

None: Disposal Wells: g. h. None: **Abandoned Wells:** 

i. None: Dry Holes:

j. None: Observation Wells: Pending (staked) Wells: k. Various:

Various wells staked by Enduring in Sec. 33-10S-23E

#### 4. Location of Existing and/or Proposed Facilities:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Dark Olive Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for each well drilled on with pad will be:

P/L Segment	Owner	Distance	Asphalt Wash 10-23-21-33	Asphalt Wash 10-23-14-28	Asphalt Wash 10-23-11-33
1	BLM	690'	OFF-LEASE	OFF-LEASE	OFF-LEASE
2	BLM	4,600'	OFF-LEASE	OFF-LEASE	OFF-LEASE
3	BLM	1,010'	ON-LEASE	OFF-LEASE	ON-LEASE
Total		6,300'			

A surface gas gathering pipeline is currently being permitted from the Asphalt Wash 10-23-22-33 Well (SENW of Sec. 33-10S-23E). That well's pipeline follows that's well's access road east, then runs south along the Atchee Wash Road to a tie-in point into an existing 4" surface pipeline at the LAPAGIA #1 Well located in the NESE of Sec. 3-11S-23E.

If any of the three well drilled from this pad are capable of economic production, a 4" surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 6,300 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

P/L Segment	Owner	Distance	Asphalt Wash 10-23-21-33	Asphalt Wash 10-23-14-28	Asphalt Wash 10-23-11-33
1	BLM	690'	OFF-LEASE	OFF-LEASE	OFF-LEASE
2	BLM	4,600'	OFF-LEASE	OFF-LEASE	OFF-LEASE
3	BLM	1,010 <sup>7</sup>	ON-LEASE	OFF-LEASE	ON-LEASE
Total		6,300'	4" steel, unpainted, welded gas gather pipeline.		

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road (northeasterly), then continue south along the Atchee Wash Road to tie-in to a surface gas gathering pipeline currently being permitted from the Asphalt Wash 10-23-22-33 Well (SENW of Sec. 33-10S-23E). This proposed 4" surface pipeline then runs south along the Atchee Wash Road to a tie-in point into an existing 4" surface pipeline at the LAPAGIA #1 Well located in the NESE of Sec. 3-11S-23E.

The OFF-LEASE 30 foot wide, surface, 4 inch pipeline right-of-way across BLM lands to sell natural gas from these wells is hereby requested adjacent to the access road for that portion of the pipeline located off-lease.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

#### 5. **Location and Type of Water Supply:**

Whenever feasible, water for drilling shall be acquired from Enduring Water User Claim 49-2215, Application #T76132., or if that source is not feasible, then by Target Trucking Water User Claim #43-2195, or by Dalbo Inc. Water User Claim #43-8496.

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

#### 6 **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized fro location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

#### 7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit well be constructed on the location and will not be located within natural drainage, where a flood hazard exits or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with 1/4 felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained. fully enclosed trash cage during operations. No trash well be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

### 8. **Ancillary Facilities:**

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

### 9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

- Asphalt Wash 10-23-21-33
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

### 10. Plans for Surface Reclamation:

### **Producing Location:**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production, or the drilling of additional wells from this same pad.
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7, unless that pit is being used for the drilling of additional wells from this same pad.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

### **Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

### Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the BLM.

#### 11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite:

Bureau of Land Management

Access:

Bureau of Land Management

Pipeline:

Bureau of Land management

#### 12. Other Information

### On-site Inspection for Location, Access and Pipeline Route:

The on-site was conducted October 4, 2005.

### **Special Conditions of Approval:**

- Tanks and Production Equipment shall be painted Dark Olive Black.
- Surface Gathering Pipeline shall be 4" or less.

### Archeology:

A Cultural Resource Inventory Report is pending and to be prepared by a. Montgomery Archaeological Consultants.

### Paleontology:

a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

#### Lessee's or Operator's Representatives: 13,

### Representatives:

Alvin R. (Al) Arlian Landman - Regulatory Specialist Enduring Resources, LLC 475 17<sup>th</sup> Street, Suite 1500 Denver, Colorado 80202 Office Tel: 303-350-5114

Fax Tel: 303-573-0461

aarlian@enduringresources.com

Frank Hutto

Vice President – Operations Enduring Resources, LLC 475 17<sup>th</sup> Street, Suite 1500 Denver, Colorado 80202

Office Tel: 303-573-5102 Fax Tel: 303-573-0461

fhutto@enduringresources.com



PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: WESTERLY

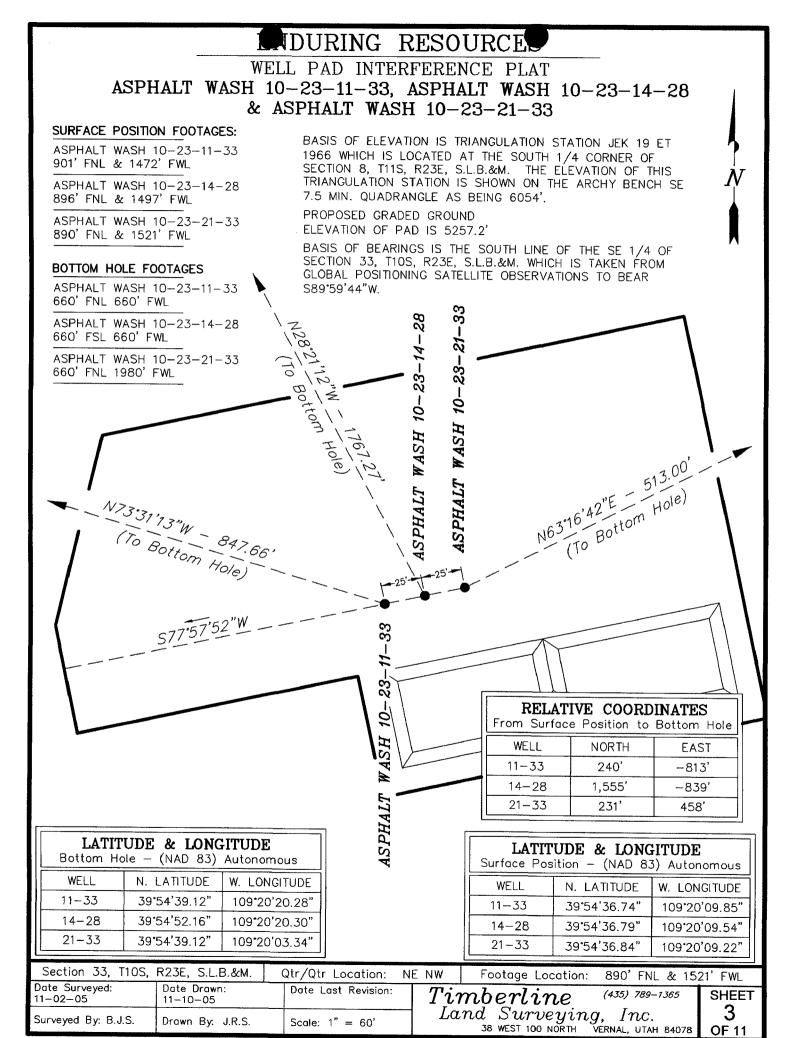
### **ENDURING RESOURCES**

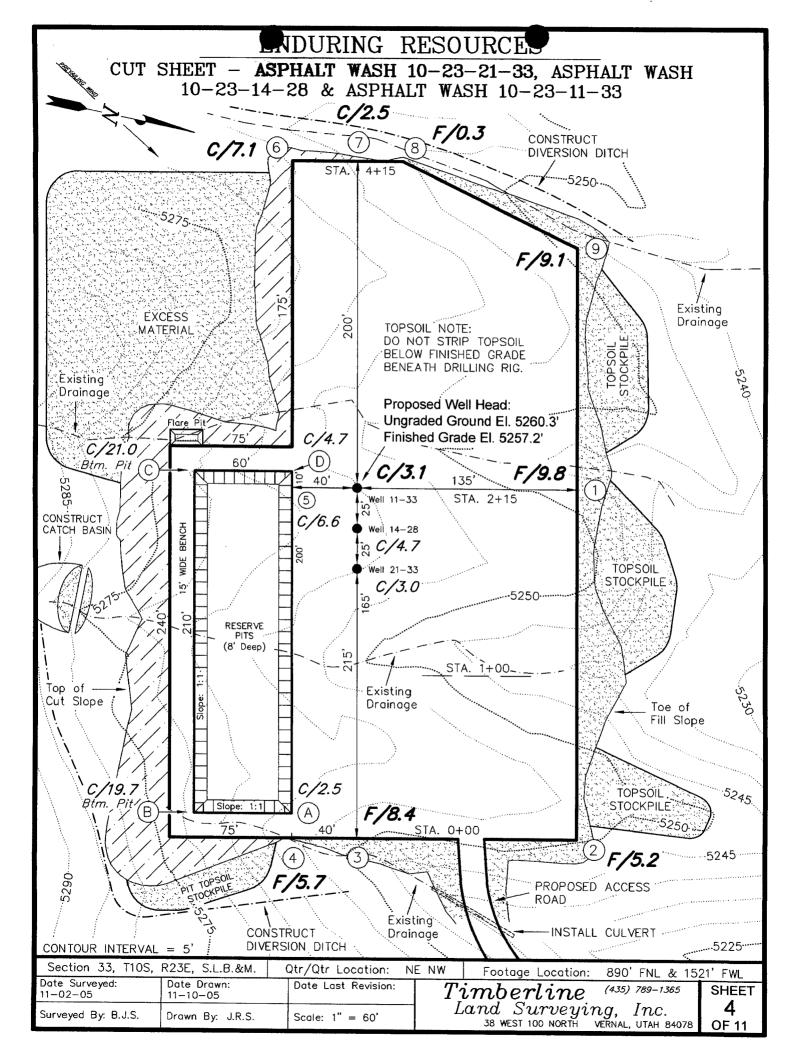
Asphalt Wash 10-23-21-33, Asphalt Wash 10-23-14-28 & Asphalt Wash 10-23-11-33 SECTION & 33, T10S, R23E, S.L.B.&M. 957' FNL & 1565' FWL

LOCATION	PHOTOS	DATE TAKEN: 05-24-05	
BOCKHON THOTOS		DATE DRAWN: 06-14-05	
TAKEN BY: K.R.K.	DRAWN BY: B.J.S.	REVISED: 09-15-05	

Timberline Land Surveying, Inc. 38 West 100 North Vernal, Utah 84078 (435) 789-1365

SHEET 1 OF 11





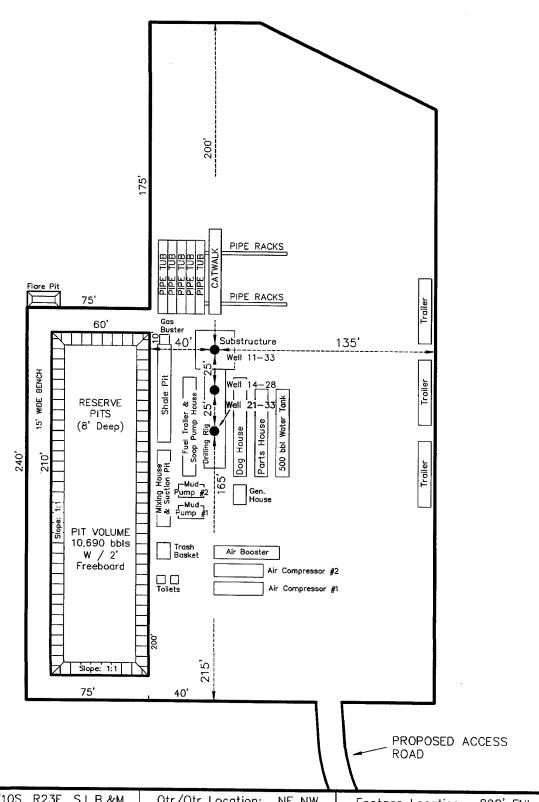
### NDURING RESOURCES CROSS SECTIONS ASPHALT WASH 10-23-21-33, ASPHALT WASH 10-23-14-28 & ASPHALT WASH 10-23-11-33 30, 1" = 60'STA, 4+15 **EXISTING** GRADE FINISHED GRADE П WELL HOLE 1" = 60'STA. 2+15 30, 11 1" = 60'STA, 1+00 NOTE: UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1 30, Pit overburden is included in pad cut. 1" = 60'STA. 0+00ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards) REFERENCE POINTS ITEM CUT FILL 6" TOPSOIL **EXCESS** 185' NORTHERLY = 5238.5'PAD 11,460 9,460 Topsoil is 2,000 235' NORTHERLY = 5244.3'not included in Pad Cut PIT 3,110 0 3,110 250' WESTERLY = 5266.2'**TOTALS** 14,570 9.460 1,680 5,110 300' WESTERLY = 5269.9'Excess Material after Pit Rehabilitation = 3,550 Cu. Yds. Section 33, T10S, R23E, S.L.B.&M. Qtr/Qtr Location: NE NW Footage Location: 890' FNL & 1521' FWL Date Surveyed: 11-02-05 Date Drawn: Date Last Revision: Timberline(435) 789-1365 SHEET Land Surveying, 5 Inc.Surveyed By: B.J.S. Drawn By: J.R.S. Scale: 1" = 6038 WEST 100 NORTH VERNAL, UTAH 84078 **OF 11**

## ENDURING RESOURCES

TYPICAL RIG LAYOUT

ASPHALT WASH 10-23-21-33, ASPHALT WASH 10-23-14-28

& ASPHALT WASH 10-23-11-33



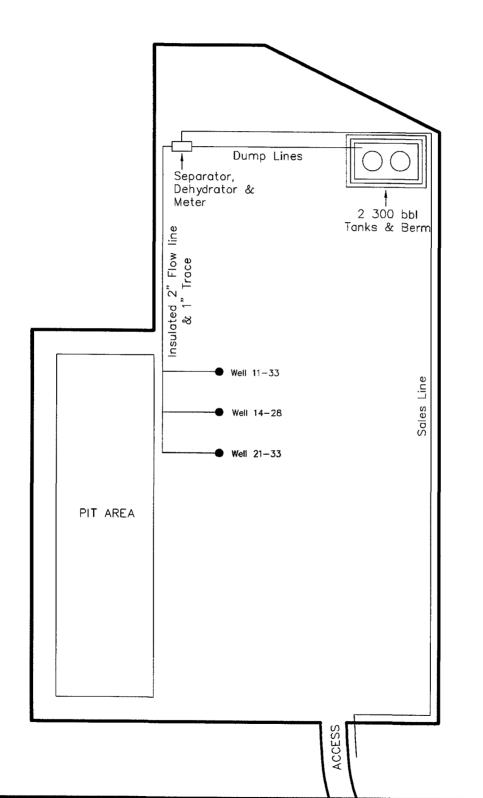
Section 33, T10S, R23E, S.L.B.&M. Qtr/Qtr Location: NE NW Footage Location: 890' FNL & 1521' FWL Date Surveyed: 11-02-05 Date Drawn: Date Last Revision: Timberline (435) 789-1365
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078 SHEET 11-10-05 6 Surveyed By: B.J.S. Drawn By: J.R.S. Scale: 1" = 60'**OF 11** 

# ENDURING RESOURCES

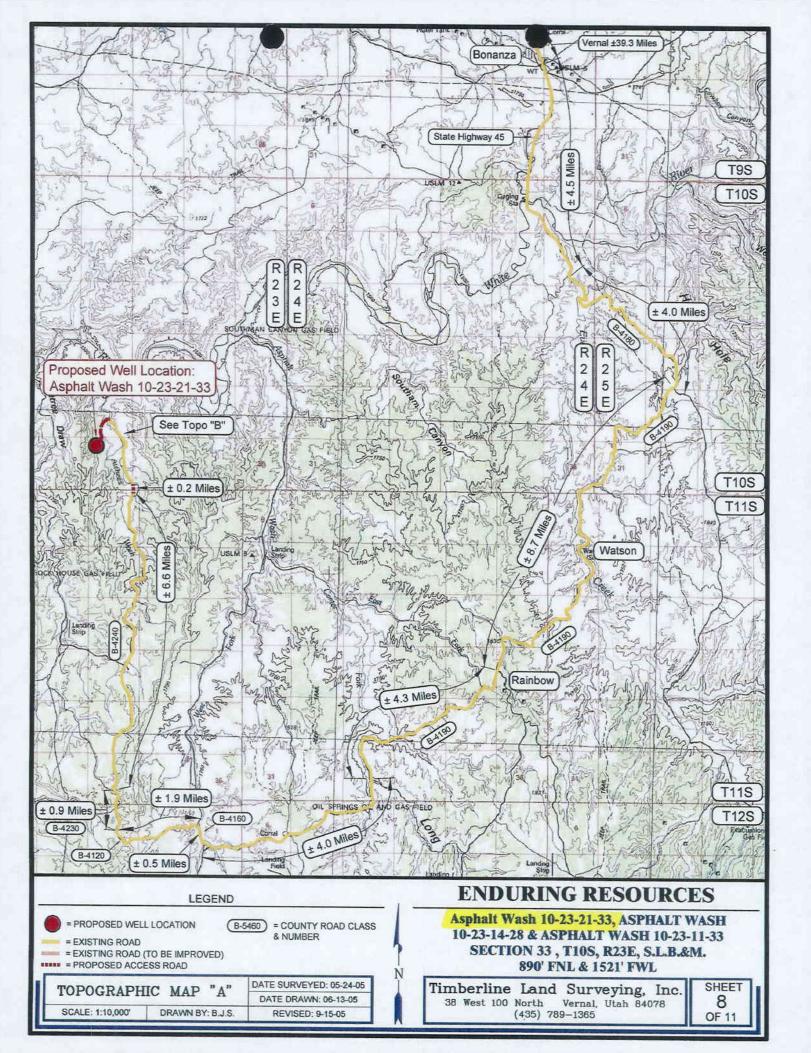
TYPICAL PRODUCTION LAYOUT

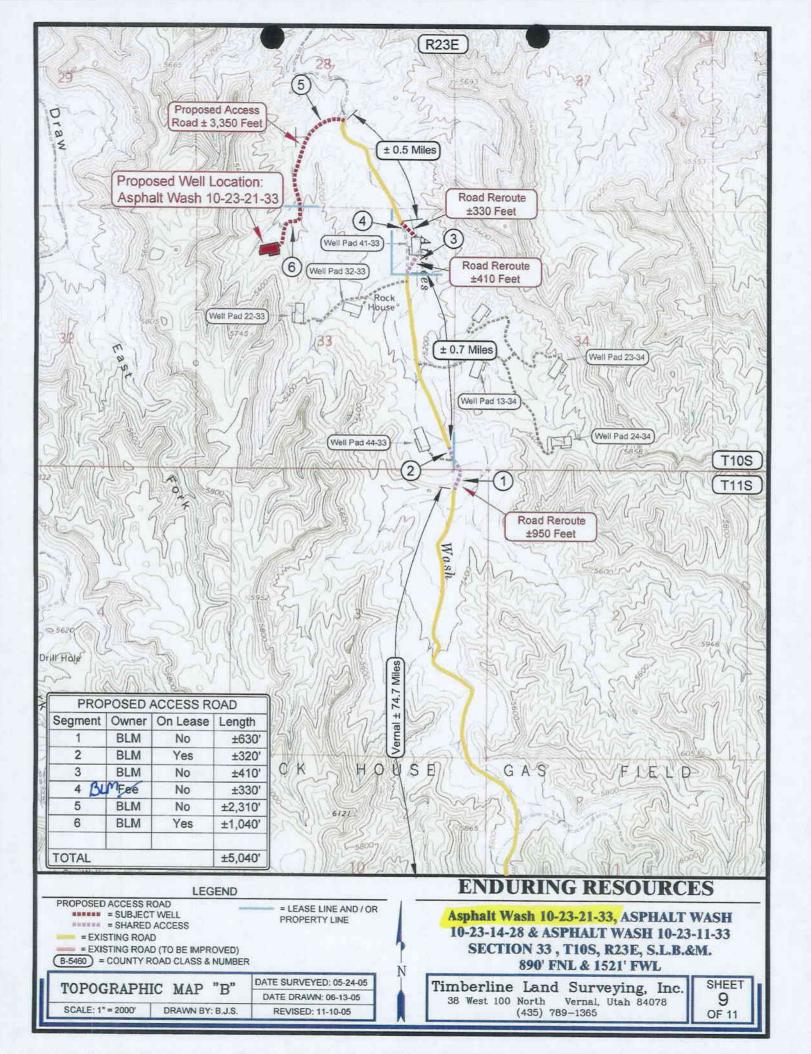
ASPHALT WASH 10-23-21-33, ASPHALT WASH 10-23-14-28

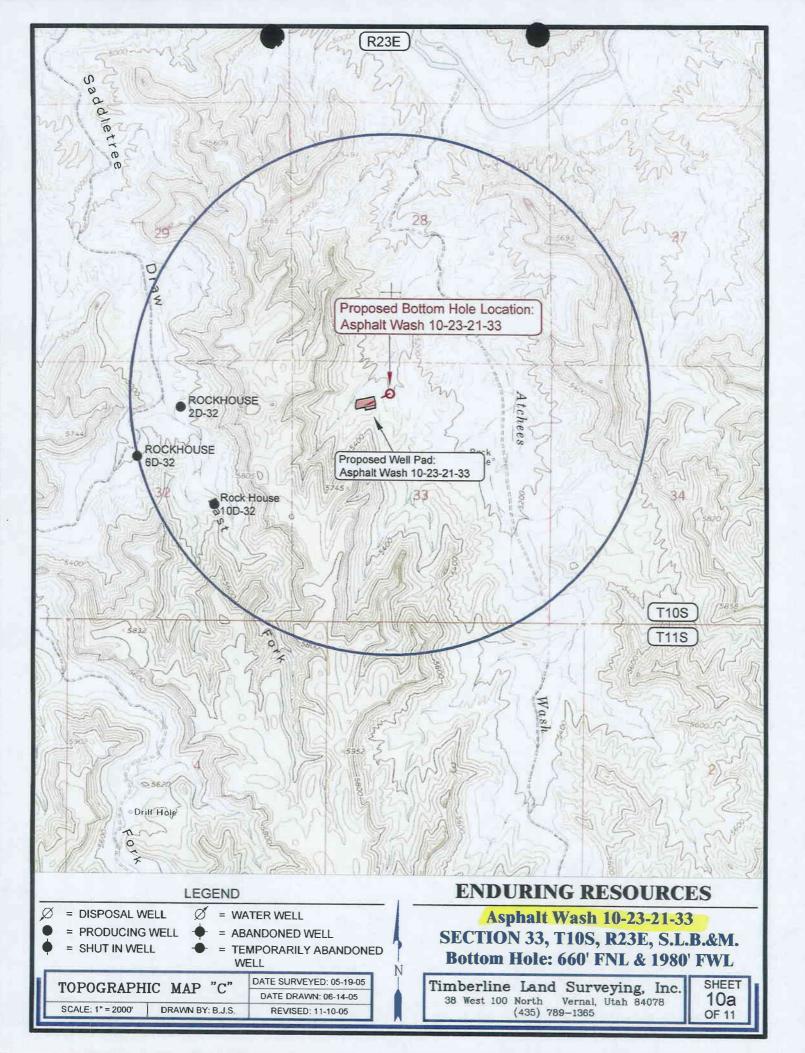
& ASPHALT WASH 10-23-11-33

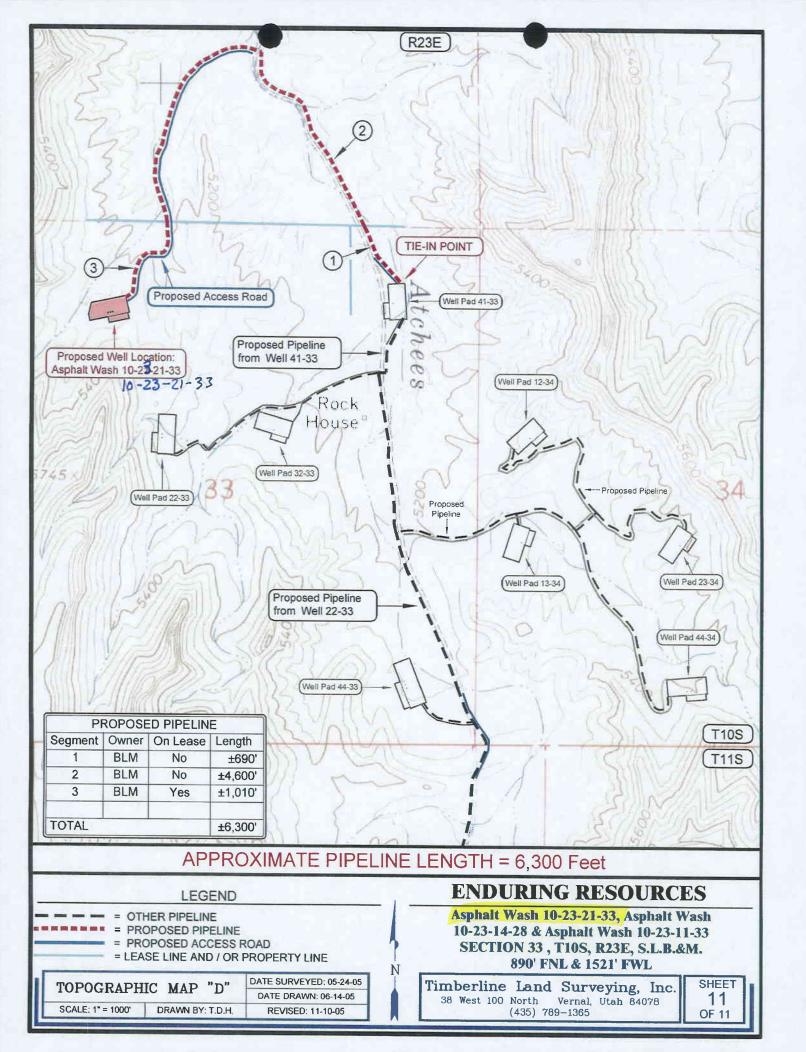


Section 33, T10S,	R23E, S.L.B.&M.	Qtr/Qtr Location:	NE NW	Footage Location:	890' FNL & 15	21' FWL
Date Surveyed: 11-02-05	Date Drawn: 11-10-05	Date Last Revision:	Tit	mberline	(435) 789–1365	SHEET
Surveyed By: B.J.S.	Drawn By: J.R.S.	Scale: 1" = 60'	$L\alpha$	and Surveying 38 WEST 100 NORTH	$g,\;Inc.$ /ERNAL, UTAH 84078	<b>/</b> OF 11

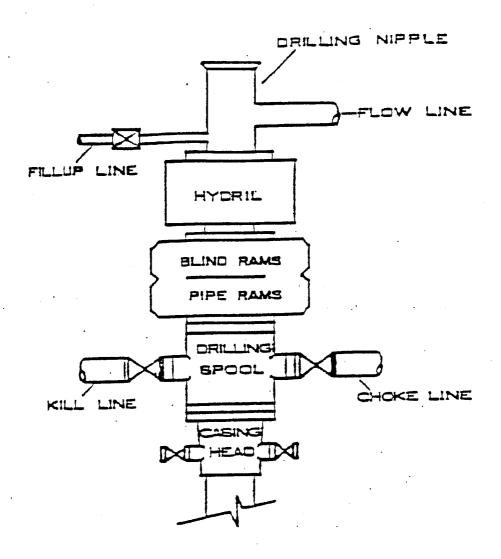


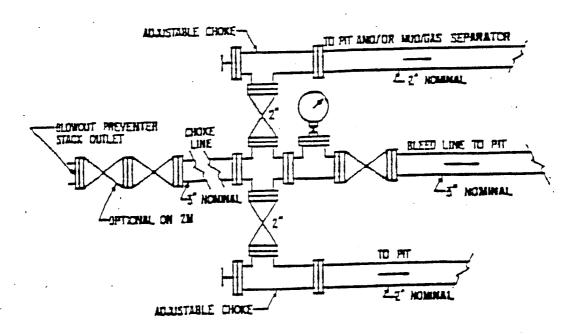




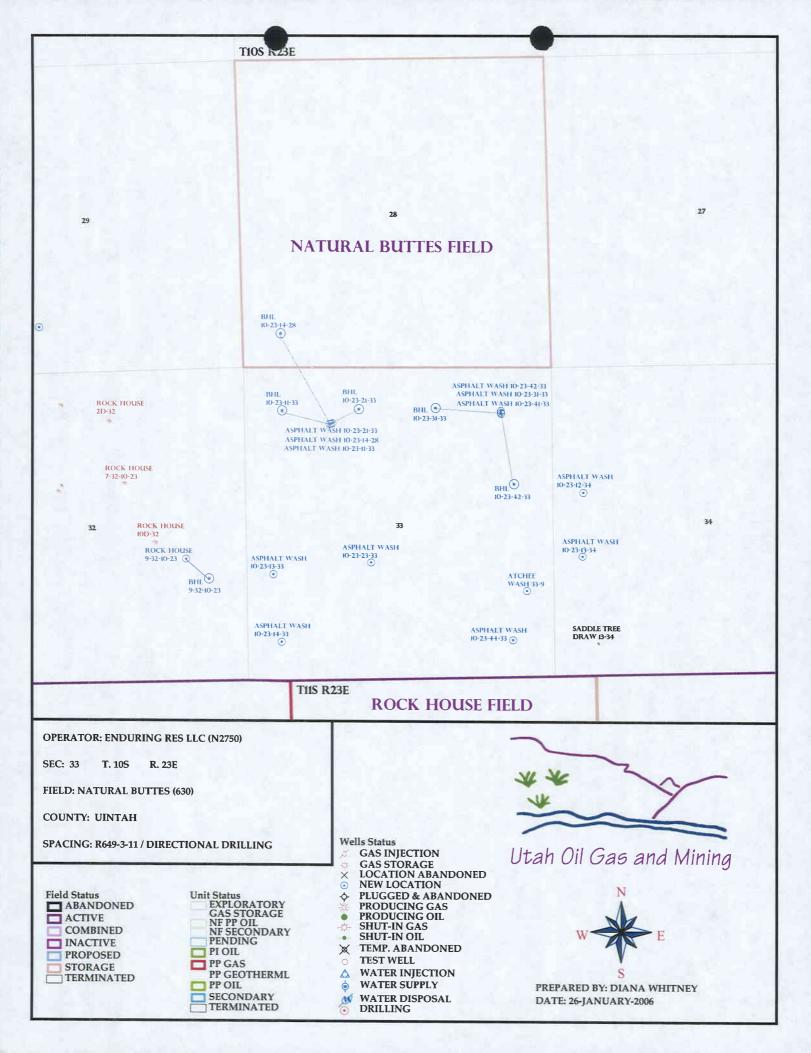


### EOP STACK





APD RECEIVED: 01/23/2006	API NO. ASSIGNED: 43-047-37637			
WELL NAME: ASPHALT WASH 10-23-21-33  OPERATOR: ENDURING RESOURCES, LLC ( N2750 )  AL ARLIAN	PHONE NUMBER: 303-350-5114			
PROPOSED LOCATION:	INSPECT LOCATN BY: / /			
NENW 33 100S 230E	Tech Review Initials Date			
SURFACE: 0890 FNL 1521 FWL BOTTOM: 0660 FNL 1980 FWL	Engineering			
COUNTY: UINTAH	Geology			
LATITUDE: 39.91021 LONGITUDE: -109.3352 UTM SURF EASTINGS: 642301 NORTHINGS: 4418				
FIELD NAME: NATURAL BUTTES (630	300			
LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU-73451  SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: MVRD COALBED METHANE WELL? NO			
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:			
<pre> ✓ Plat  ✓ Bond: Fed[1] Ind[] Sta[] Fee[]  (No. RLB0008031 )  ✓ Potash (Y/N)  Oil Shale 190-5 (B) or 190-3 or 190-13  ✓ Water Permit  (No. 43-8496 )  ✓ RDCC Review (Y/N)  (Date: )  ✓ Fee Surf Agreement (Y/N)  NA Intent to Commingle (Y/N) </pre>	R649-2-3.  Unit:R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between WellsR649-3-3. ExceptionDrilling Unit Board Cause No:Eff Date:			
COMMENTS:				
STIPULATIONS: 1- Leder Deproved  2. Spacing Stop				
The state of the s				





State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

January 26, 2006

Enduring Resources, LLC 475 17th St., Ste. 1500 Denver, CO 80202

Re:

Asphalt Wash 10-23-21-33 Well, Surface Location 890' FNL, 1521' FWL, NE NW, Sec. 33, T. 10 South, R. 23 East, Bottom Location 660' FNL, 1980' FWL, NE NW, Sec. 33, T. 10 South, R. 23 East, Uintah County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37637.

Sincerely,

Gil Hunt

**Associate Director** 

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Enduring Resources, LLC			
Well Name & Number	Asphalt Wash 10-23-21-33			
API Number:	43-047-37637			
Lease:	ease: <u>UTU-73451</u>			
Surface Location: <u>NE NW</u>	Sec. 33	T. 10 South	<b>R.</b> 23 East	
Bottom Location: <u>NE NW</u>	Sec. 33	<b>T.</b> 10 South	R. 23 East	

### **Conditions of Approval**

### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Page 2 43-047-37637 January 26, 2006

6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



475 17<sup>™</sup> Street Suite 1500 Denver Colorado 80202 Telephone 303 573-1222 Fax 303 573 0461

# February 10, 2006

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Attn.: Ms. Diana Whitney

RE: Asphalt Wash 10-23-21-33 Well

Surface Location: NENW Sec. 33-10S-23E (3-well Location)

890' FNL - 1,521' FWL

Lease Serial No.: UTU-73451

Bottom Hole Location: NENW Sec. 33-10S-23E

660' FNL - 1,980' FWL

Lease Serial No.: UTU-73451

Uintah County, Utah

43-047-37637

Dear Ms. Whitney:

Enclosed is an original copy of the *DIRECTIONAL DRILLING PLAN* for the above-referenced proposed well. The quarter/quarter on the header of the plan is the surface location.

This information was inadvertently omitted from the APD sent to you earlier. This well's BHL AND surface location are both on federal lands.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

**ENDURING RESOURCES, LLC** 

Alvin R. (AI) Arlian

Landman-Regulatory Specialist

ara

**Enclosures:** 

FEB 1 4 2006

2000

EM CFOIL, EAC SLIGHT IS



1000

# **ENDURING RESOURCES** Asphalt Wash 10-23-21-33 NE/NW Sec. 33, T10S, R23E Uintah County, Utah





9 5/8" Surface

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1 2 3 4 5 6	0.00 2098.00 2497.85 5584.20 6383.90 7558.90	0.00 0.00 8.00 8.00 0.00 0.00	63.24 63.24 63.24 63.24 63.24 63.24	0.00 2098.00 2496.56 5552.89 6350.00 7525.00	0.00 0.00 12.55 205.91 231.00 231.00	0.00 0.00 24.87 408.25 458.00 458.00	0.00 0.00 2.00 0.00 1.00 0.00	0.00 0.00 63.24 0.00 180.00 63.24	0.00 0.00 27.86 457.24 512.96 512.96	KOP End Build Start Drop Start Hold TD

SECTION DETAILS

RKB Elevation: 5273.20

WELL DETAILS Name +N/-S

+E/-W Northing Easting Latitude Longitude Slot

Ground Elevation: 5257.20

Asphalt Wash 10-23-21-33

10.42 48.90 7143384.27 2247396.35 39°54'36.843N 109°20'09.222W

SITE DETAILS NE/NW 33-10S-23E Pad Sec. 33, T10S, R23E, Uintah County, Utah

N/A

Site Centre Latitude: 39°54'36.740N Longitude: 109°20'09.850W

Ground Level: 5257.20 Positional Uncertainty: 0.00

FIELD DETAILS

Uintah, Utah Utah Central Zone U.S.A.

Geodetic System: US State Plane Coordinate System 1983 Ellipsoid: GRS 1980 Zone: Utah, Central Zone

Magnetic Model: igrf2005

System Datum: Mean Sea Level Local North: True North

**TARGET DETAILS** 

Name TVD +N/-S +E/-W Shape

10-23-21-33 Target 7525.00 231.00 458.00 Rectangle (400x400)

CASING DETAILS

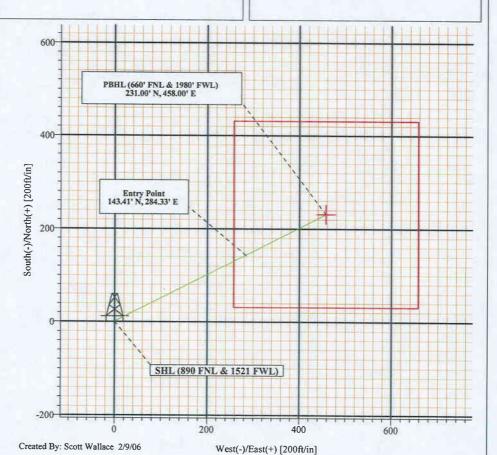
No. TVD MD Name Size 2000.00 2000.00 9 5/8" Surface 9.625

No. TVDPath **MDPath** Formation 191.00

Green River 3265.00 5183.00 3273.84 5210.68 Wasatch Mesaverde

FORMATION TOP DETAILS

KOP 2098.00' MD/TVD 3000-Wasatch True Vertical Depth [1000ft/in] Entry Point 4586.61' MD 4565.00' TVD 318.45' VS 4000 8.00° INC Mesaverde 5000 6000 7000 TD 7558.90' MD 7525.00' TVD 512.96' VS 0.00° INC 8000 1000 2000 Vertical Section at 63.24° [1000ft/in]





**Planning Report** 

Company: Enduring Resources

Field:

Uintah, Utah NE/NW 33-10S-23E Pad

Site: Well: Asphalt Wash 10-23-21-33

Wellpath:

Date: 2/9/2006

Time: 16:16:04

Page: Co-ordinate(NE) Reference: Well: Asphalt Wash 10-23-21-33

Vertical (TVD) Reference: SITE 5273.2

Section (VS) Reference:

Well (0.00N,0.00E,63.24Azi)

Plan #1

Field:

Uintah, Utah **Utah Central Zone** 

U.S.A.

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System: Geomagnetic Model: Well Centre igrf2005

Site:

NE/NW 33-10S-23E Pad

Sec. 33, T10S, R23E, Uintah County, Utah

Site Position:

Well Position:

Wellpath: 1

**Current Datum:** 

Magnetic Data:

Field Strength:

Plan:

Principal:

Vertical Section:

Northing:

From: Geographic

**Position Uncertainty:** 0.00 ft Ground Level:

Easting:

7143372.67 ft 2247347.72 ft Latitude: Longitude:

39 54 36.740 N 109

North Reference:

20 9.850 W True

5257.20 ft

**Grid Convergence:** 

1.39 deg

Well:

Asphalt Wash 10-23-21-33

+N/-S

SITE

10.42 ft +E/-W

2/9/2006

Northing: 48.90 ft Easting:

7143384.27 ft 2247396.35 ft

Latitude: Longitude:

Slot Name:

39 54 36.843 N 20 109 9.222 W

Surface

**Position Uncertainty:** 

0.00 ft

52891 nT

Height 5273.20 ft

Drilled From: Tie-on Depth: **Above System Datum:** 

Declination: Mag Dip Angle: +E/-W

**Date Composed:** 

0.00 ft Mean Sea Level 11.67 deg 65.97 deg

Direction deg

2/9/2006

ft 0.00

Depth From (TVD)

ft 0.00

+N/-S

ft 0.00

63.24

Version:

Tied-to:

From Surface

# Plan Section Information

Plan #1

Yes

	MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
	0.00	0.00	63.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
	2098.00	0.00	63.24	2098.00	0.00	0.00	0.00	0.00	0.00	0.00	
	2497.85	8.00	63.24	2496.56	12.55	24.87	2.00	2.00	0.00	63.24	
	5584.20	8.00	63.24	5552.89	205.91	408.25	0.00	0.00	0.00	0.00	
П	6383.90	0.00	63.24	6350.00	231.00	458.00	1.00	-1.00	0.00	180.00	
Ш	7558.90	0.00	63.24	7525.00	231.00	458.00	0.00	0.00	0.00	63.24	10-23-21-33 Target

# Section 1: Start Hold

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	TFO	
ft	deg	deg	ft	ft	ft	ft	deg/100fl	deg/100f	t deg/100ft	deg	
0.00	0.00	63.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	63.24	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	63.24	
2098.00	0.00	63.24	2098.00	0.00	0.00	0.00	0.00	0.00	0.00	63.24	

# Section 2: Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS. ft	DLS deg/100ft	Build deg/100fl	Turn deg/100ft	TFO deg
2100.00	0.04	63.24	2100.00	0.00	0.00	0.00	2.00	2.00	0.00	0,00
2200.00	2.04	63.24	2199.98	0.82	1.62	1.82	2.00	2.00	0.00	0.00
2300.00	4.04	63.24	2299.83	3.21	6.36	7.12	2.00	2.00	0.00	0.00
2400.00	6.04	63.24	2399.44	7.16	14.20	15.90	2.00	2.00	0.00	0.00
2497.85	8.00	63.24	2496.56	12.55	24.87	27.86	2.00	2.00	0.00	0.00

# Weatherford International

**Planning Report** 

Company: Enduring Resources Field: Uintah, Utah Site: NE/NW 33-10S-23E Pad Asphalt Wash 10-23-21-33

Wellpath: 1

Well:

Date: 2/9/2006 Time: 16:16:04 P:
Co-ordinate(NE) Reference: Well: Asphalt Wash 10-23-21-33
Vertical (TVD) Reference: SITE 5273.2
Section (VS) Reference: Well (0.00N,0.00E,63.24Azi)
Plan: Plan #1

Section	ο.	Start	니니네
Section		Start	HOIO

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2500.00	8.00	63.24	2498.68	12.68	25.14	28.16	0.00	0.00	0.00	0.00
2600.00	8.00	63.24	2597.71	18.95	37.56	42.07	0.00	0.00	0.00	0.00
2700.00	8.00	63.24	2696.74	25.21	49.98	55.98	0.00	0.00	0.00	0.00
2800.00	8.00	63.24	2795.76	31.48	62.41	69.89	0.00	0.00	0.00	0.00
2900.00	8.00	63.24	2894.79	37.74	74.83	83.81	0.00	0.00	0.00	0.00
3000.00	8.00	63.24	2993.82	44.01	87.25	97.72	0.00	0.00	0.00	0.00
3100.00	8.00	63.24	3092.85	50.27	99.67	111.63	0.00	0.00	0.00	0.00
3200.00	8.00	63.24	3191.87	56.54	112.09	125.54	0.00	0.00	0.00	0.00
3273.84	8.00	63.24	3265.00	61.16	121.27	135.82	0.00	0.00	0.00	0.00
3300.00	8.00	63.24	3290.90	62.80	124.51	139.46	0.00	0.00	0.00	0.00
3400.00	8.00	63.24	3389.93	69.07	136.94	153.37	0.00	0.00	0.00	0.00
3500.00	8.00	63.24	3488.96	75.33	149.36	167.28	0.00	0.00	0.00	0.00
3600.00	8.00	63.24	3587.98	81.60	161.78	181.19	0.00	0.00	0.00	0.00
3700.00	8.00	63.24	3687.01	87.86	174.20	195.10	0.00	0.00	0.00	0.00
3800.00	8.00	63.24	3786.04	94.13	186.62	209.02	0.00	0.00	0.00	0.00
3900.00	8.00	63.24	3885.07	100.39	199.04	222.93	0.00	0.00	0.00	0.00
4000.00	8.00	63.24	3984.09	106.66	211.47	236.84	0.00	0.00	0.00	0.00
4100.00	8.00	63.24	4083.12	112.92	223.89	250.75	0.00	0.00	0.00	0.00
4200.00	8.00	63.24	4182.15	119.19	236.31	264.67	0.00	0.00	0.00	0.00
4300.00	8.00	63.24	4281.18	125.45	248.73	278.58	0.00	0.00	0.00	0.00
4400.00	8.00	63.24	4380.21	131.72	261.15	292.49	0.00	0.00	0.00	0.00
4500.00	8.00	63.24	4479.23	137.98	273.57	306.40	0.00	0.00	0.00	0.00
4586.61	8.00	63.24	4565.00	143.41	284.33	318.45	0.00	0.00	0.00	0.00
4600.00	8.00	63.24	4578.26	144.25	286.00	320.31	0.00	0.00	0.00	0.00
4700.00	8.00	63.24	4677.29	150.51	298.42	334.23	0.00	0.00	0.00	0.00
4800.00	8.00	63.24	4776.32	156.78	310.84	348.14	0.00	0.00	0.00	0.00
4900.00	8.00	63.24	4875.34	163.04	323.26	362.05	0.00	0.00	0.00	0.00
5000.00	8.00	63.24	4974.37	169.31	335.68	375.96	0.00	0.00	0.00	0.00
5100.00	8.00	63.24	5073.40	175.57	348.10	389.88	0.00	0.00	0.00	0.00
5200.00	8.00	63.24	5172.43	181.84	360.53	403.79	0.00	0.00	0.00	0.00
5210.68	8.00	63.24	5183.00	182.51	361.85	405.27	0.00	0.00	0.00	0.00
5300.00	8.00	63.24	5271.45	188.10	372.95	417.70	0.00	0.00	0.00	0.00
5400.00	8.00	63.24	5370.48	194.37	385.37	431.61	0.00	0.00	0.00	0.00
5500.00	8.00	63.24	5469.51	200.63	397.79	445.52	0.00	0.00	0.00	0.00
5584.20	8.00	63.24	5552.89	205.91	408.25	457.24	0.00	0.00	0.00	0.00

Section 4: Start Drop -1.00

MD ft	Incl deg	Azim deg	TVD . ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100	TFO fit deg	
5600.00	7.84	63.24	5568.54	206.89	410.19	459.41	1.00	-1.00	0.00	180.00	
5700.00	6.84	63.24	5667.72	212.64	421.60	472.19	1.00	-1.00	0.00	180.00	
5800.00	5.84	63.24	5767.11	217.61	431.46	483.23	1.00	-1.00	0.00	180.00	
5900.00	4.84	63.24	5866.67	221.80	439.77	492.53	1.00	-1.00	0.00	180.00	
6000.00	3.84	63.24	5966.38	225.21	446.52	500.10	1.00	-1.00	0.00	180.00	
6100.00	2.84	63.24	6066.21	227.83	451.72	505.92	1.00	-1.00	0.00	180.00	
6200.00	1.84	63.24	6166.13	229.67	455.36	510.01	1.00	-1.00	0.00	180.00	
6300.00	0.84	63.24	6266.10	230.72	457.45	512.34	1.00	-1.00	0.00	180.00	
6383.90	0.00	63.24	6350.00	231.00	458.00	512.96	1.00	-1.00	0.00	-180.00	

Section 5: Start Hold

Decidit 0	· Otali i lor									
MOD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6400.00	0.00	63.24	6366.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
6500.00	0.00	63.24	6466.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
6600.00	0.00	63.24	6566.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
6700.00	0.00	63.24	6666.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
6800.00	0.00	63.24	6766.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
6900.00	0.00	63.24	6866.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
7000.00	0.00	63.24	6966.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
7100.00	0.00	63.24	7066.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
7200.00	0.00	63.24	7166.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24
7300.00	0.00	63.24	7266.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24



# **Planning Report**

Company: Enduring Resources Field: Uintah, Utah Site: NE/NW 33-10S-23E Pad Asphalt Wash 10-23-21-33

Wellpath: 1

Well:

Date: 2/9/2006 Time: 16:16:04 P.
Co-ordinate(NE) Reference: Well: Asphalt Wash 10-23-21-33
Vertical (TVD) Reference: SITE 5273.2
Section (VS) Reference: Well (0.00N,0.00E,63.24Azi)

3

Plan:

Plan #1

Section 5	: Start Hold										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
7400.00	0.00	63.24	7366.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24	
7500.00	0.00	63.24	7466.10	231.00	458.00	512.96	0.00	0.00	0.00	63.24	
7558 90	0.00	63 24	7525 00	231.00	458 AA	512.06	በ በበ	0.00	0.00	63 24	

7558.90	0.00	63.24	7525.00	231.00	458.00	512.96	0.00	0.00	0.00	63.24
Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2000.00	0.00	63.24	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	9 5/8" Surface
2098.00	0.00	63.24	2098.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2100.00	0.04	63.24	2100.00	0.00	0.00	0.00	2.00	2.00	0.00	MWD
2200.00	2.04	63.24	2199.98	0.82	1.62	1.82	2.00	2.00	0.00	MWD
2300.00	4.04	63.24	2299.83	3.21	6.36	7.12	2.00	2.00	0.00	MWD
2400.00	6.04	63.24	2399.44	7.16	14.20	15.90	2.00	2.00	0.00	MWD
2497.85	8.00	63.24	2496.56	12.55	24.87	27.86	2.00	2.00	0.00	End Build
2500.00	8.00	63.24	2498.68	12.68	25.14	28.16	0.00	0.00	0.00	MWD
2600.00	8.00	63.24	2597.71	18.95	37.56	42.07	0.00	0.00	0.00	MWD
2700.00	8.00	63.24	2696.74	25.21	49.98	55.98	0.00	0.00	0.00	MWD
2800.00	8.00	63.24	2705.76	24.40	60.44	60.00	0.00	0.00	0.00	A A) A (F)
2900.00	8.00		2795.76	31.48	62.41	69.89	0.00	0.00	0.00	MWD
		63.24	2894.79	37.74	74.83	83.81	0.00	0.00	0.00	MWD
3000.00	8.00	63.24	2993.82	44.01	87.25	97.72	0.00	0.00	0.00	MWD
3100.00	8.00	63.24	3092.85	50.27	99.67	111.63	0.00	0.00	0.00	MWD
3200.00	8.00	63.24	3191.87	56.54	112.09	125.54	0.00	0.00	0.00	MWD
3273.84	8.00	63.24	3265.00	61.16	121.27	135.82	0.00	0.00	0.00	Wasatch
3300.00	8.00	63.24	3290.90	62.80	124.51	139.46	0.00	0.00	0.00	MWD
3400.00	8.00	63.24	3389.93	69.07	136.94	153.37	0.00	0.00	0.00	MWD
3500.00	8.00	63.24	3488.96	75.33	149.36	167.28	0.00	0.00	0.00	MWD
3600.00	8.00	63.24	3587.98	81.60	161.78	181.19	0.00	0.00	0.00	MWD
3700.00	8.00	63.24	3687.01	87.86	174.20	195.10	0.00	0.00	0.00	MWD
3800.00	8.00	63.24	3786.04	94.13	186.62	209.02	0.00	0.00	0.00	MWD
3900.00	8.00	63.24	3885.07	100.39	199.04	222.93	0.00	0.00	0.00	MWD
4000.00	8.00	63.24	3984.09	106.66	211.47	236.84	0.00	0.00	0.00	MWD
4100.00	8.00	63.24	4083.12	112.92	223.89	250.75	0.00	0.00	0.00	MWD
4200.00	8.00	63.24	4182.15	119.19	236.31	264.67	0.00	0.00	0.00	MMD
4300.00	8.00	63.24	4281.18	125.45	248.73	278.58	0.00			MWD
4400.00	8.00	63.24	4380.21	131.72				0.00	0.00	MWD
4500.00 4500.00	8.00 8.00	63.24			261.15	292.49	0.00	0.00	0.00	MWD
4500.00 4586.61	8.00 8.00	63.24 63.24	4479.23 4565.00	137.98 143.41	273.57 284.33	306.40	0.00	0.00	0.00	MWD
			+505.00	143,41	204.33	318.45	0.00	0.00	0.00	Entry Point
4600.00	8.00	63.24	4578.26	144.25	286.00	320.31	0.00	0.00	0.00	MWD
4700.00	8.00	63.24	4677.29	150.51	298.42	334.23	0.00	0.00	0.00	MWD
4800.00	8.00	63.24	4776.32	156.78	310.84	348.14	0.00	0.00	0.00	MWD
4900.00 5000.00	8.00 8.00	63.24	4875.34	163.04	323.26	362.05	0.00	0.00	0.00	MWD
.000.00	0.00	63.24	4974.37	169.31	335.68	375.96	0.00	0.00	0.00	MWD
5100.00	8.00	63.24	5073.40	175.57	348.10	389.88	0.00	0.00	0.00	MWD
5200.00	8.00	63.24	5172.43	181.84	360.53	403.79	0.00	0.00	0.00	MWD
5210.68	8.00	63.24	5183.00	182.51	361.85	405.27	0.00	0.00	0.00	Mesaverde
5300.00	8.00	63.24	5271.45	188.10	372.95	417.70	0.00	0.00	0.00	MWD
5400.00	8.00	63.24	5370.48	194.37	385.37	431.61	0.00	0.00	0.00	MWD
5500.00	8.00	63.24	5469.51	200.63	397.79	445.52	0.00	0.00	0.00	MWD
5584.20	8.00	63.24	5552.89	205.91	408.25					
5600.00	7.84	63.24	5568.54			457.24 450.41	0.00	0.00	0.00	Start Drop
5700.00				206.89	410.19	459.41	1.00	-1.00	0.00	MWD
	6.84	63.24	5667.72	212.64	421.60	472.19	1.00	-1.00	0.00	MWD
5800.00	5.84	63.24	5767.11	217.61	431.46	483.23	1.00	-1.00	0.00	MWD
5900.00 5000.00	4.84 3.84	63.24 63.24	5866.67	221.80	439.77	492.53	1.00	-1.00	0.00	MWD
		00.04	5966.38	225.21	446.52	500.10	1.00	-1.00	0.00	MWÐ



**Planning Report** 

Company: Enduring Resources Field: Uintah, Utah Site: NE/NW 33-10S-23E Pad Asphalt Wash 10-23-21-33

Wellpath: 1

Date: 2/9/2006 Time: 16:16:04 P
Co-ordinate(NE) Reference: Well: Asphalt Wash 10-23-21-33
Vertical (TVD) Reference: SITE 5273.2
Section (VS) Reference: Well (0.00N,0.00E,63.24Azi)
Plan: Plan #1

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	١U	rv	

Well:

MDD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6100.00	2.84	63.24	6066.21	227.83	451.72	505.92	1.00	-1.00	0.00	MWD
6200.00	1.84	63.24	6166.13	229.67	455.36	510.01	1.00	-1.00	0.00	MWD
6300.00	0.84	63.24	6266.10	230.72	457.45	512.34	1.00	-1.00	0.00	MWD
6383.90	0.00	63.24	6350.00	231.00	458.00	512.96	1.00	-1.00	0.00	Start Hold
6400.00	0.00	63.24	6366.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
6500.00	0.00	63.24	6466.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
6600.00	0.00	63.24	6566.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
6700.00	0.00	63.24	6666.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
6800.00	0.00	63.24	6766.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
6900.00	0.00	63.24	6866.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7000.00	0.00	63.24	6966.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7100.00	0.00	63.24	7066.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7200.00	0.00	63.24	7166.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7300.00	0.00	63.24	7266.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7400.00	0.00	63.24	7366.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7500.00	0.00	63.24	7466.10	231.00	458.00	512.96	0.00	0.00	0.00	MWD
7558.90	0.00	63.24	7525.00	231.00	458.00	512.96	0.00	0.00	0.00	TD

# Targets

Name Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<== ] Deg l	******	tude> Sec	> < ] Deg		itude> Sec
10-23-21-33 Target -Rectangle (400x400) -Plan hit target	7525.00	231.00	458.00	7143626.28	2247848.63	39	54	39.126	N 109	20	3.344 W

# **Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name	
2000.00	2000.00	9.625	12.250	9 5/8" Surface	

# **Formations**

MD ft	TVD ft	Formations	Lithology Dip Angle deg	Dip Direction deg
191.00	191.00	Green River	0.00	0.00
3273.84	3265.00	Wasatch	0.00	0.00
5210.68	5183.00	Mesaverde		0.00

## Annotation

MD ft	TVD ft		
		SHL (890 FNL & 1521 FWL)	
2098.00	2098.00	KOP	
2497.85	2496.55	End Build	İ
4586.61	4565.00	Entry Point	- !
5584.20	5552.89	Start Drop	
6383,90	6350.00	Start Hold	
7558,90	7525.00	TD	
7558.90	7525.00	PBHL (660 FNL & 1980 FWL)	



STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OU. CAS AND MINING

L and			1	
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Enduring Resources, FROM: 1/26/2 TO: 1/26/2		nsion to the	Approved Utah Divi Oil, Gas ar  Date: 2-2  By:	by the ision of hid Minin	ng
FROM: 1/26/2	007	nsion to the	<b>A</b> pproved Utah Divi	d by the	
			tan data of this		
12. DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show all p	pertinent details in	cluding dates, depths, volum	nes, etc.	
Date of work completion:	CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE	RECLAMA	ON (START/RESUME) TION OF WELL SITE ETE - DIFFERENT FORMATION		THER SHUT-OFF THER: Request for APD Extension
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE TUBING CHANGE WELL NAME	PLUG AND	<	<u></u>	NT OR FLARE ATER DISPOSAL
Approximate date work will start:	CASING REPAIR CHANGE TO PREVIOUS PLANS	NEW CONS	TRUCTION CHANGE	TU	MPORARILY ABANDON BING REPAIR
TYPE OF SUBMISSION  NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE  ALTER CASING	DEEPEN FRACTURE	TREAT		PERFORATE CURRENT FORMATION DETRACK TO REPAIR WELL
	ROPRIATE BOXES TO INDICAT		YPE OF ACTION	RI, OR	JIHER DATA
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 890' F  QTR/QTR, SECTION, TOWNSHIP, RAN	SE, MERIDIAN: NENW 33 10S 2			COUNTY: STATE:	UTAH
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500	Denver STATE CO ZIP	80202	(303) 350-5719	Undes	ignated
2. NAME OF OPERATOR: Enduring Resources, LLC			PHONE NUMBER:	430473	ND POOL, OR WILDCAT:
1. TYPE OF WELL OIL WELL		Asphalt Wash 10-23-21-33			
Do not use this form for proposals to drill no drill horizontal la	h, reenter plugged wells, or to s.	7. UNIT or CA AGREEMENT NAME: n/a  8. WELL NAME and NUMBER:			
	NOTICES AND REPORTS	ON WEL	LS	n/a	, ALLOTTEE OR TRIBE NAME:
SUNDRY				5. LEASE DI UTU-73	3451

(This space for State use only)

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# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737637  Well Name: Asphalt Wash 10-23-21-33  Location: 890' FNL - 1521' FWL, NENW, Sec 33, T10S-R23E  Company Permit Issued to: Enduring Resources, LLC  Date Original Permit Issued: 1/26/2006	
The undersigned as owner with legal rights to drill on the prabove, hereby verifies that the information as submitted in approved application to drill, remains valid and does not re-	ne previously
Following is a checklist of some items related to the application verified.	ation, which should be
If located on private land, has the ownership changed, if so agreement been updated? Yes □No □	, has the surface
Have any wells been drilled in the vicinity of the proposed the spacing or siting requirements for this location? Yes□I	vell which would affect No⊠
Has there been any unit or other agreements put in place to permitting or operation of this proposed well? Yes□No☑	hat could affect the
Have there been any changes to the access route including of-way, which could affect the proposed location? Yes□N	g ownership, or right- o ☑
Has the approved source of water for drilling changed? Ye	s□No☑
Have there been any physical changes to the surface local which will require a change in plans from what was discuss evaluation? Yes□No☑	tion or access route sed at the onsite
Is bonding still in place, which covers this proposed well?	Yes ☑ No □
Lutto Bissett 12/	13/2006
Signature	Date
Title: Regulatory Compliance Assistant	
Representing: Enduring Resources, LLC	» به سبع « در دسته بدد

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

r			7	200	N	١	•			A		FORM DESIGNATION AND SERIAL NUMBER:
U	U	V	Ĭ	F	W	1	1	5	П	Ĺ	AGE	DESIGNATION AND SERIAL NUMBER:

FORM 9

,	UTU-73451		
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Asphalt Wash 10-23-21-33		
2. NAME OF OPERATOR:	9. API NUMBER:		
Enduring Resources, LLC	4304737637		
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 350-5719	10. FIELD AND POOL, OR WILDCAT: Undesignated		
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 890' FNL - 1521' FWL	соимту: <b>Uintah</b>		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 33 10S 23E S	STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA		
TYPE OF SUBMISSION TYPE OF ACTION			
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION		
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON		
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR		
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE		
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL NAME  PLUG BACK	WATER DISPOSAL		
CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF		
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: Request for APD		
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	Extension		
Enduring Resources, LLC respectfully request an extension to the expiration date of the FROM: 12/20/2007 TO: 12/20/2008  Approved by the Utah Division of Oil, Gas and Mining  Date: 12-20-9  By:	is Application for Permit to Drill		
NAME (PLEASE PRINT) Alvin R. (AI) Arlian  SIGNATURE  DATE  Landman - Reg DATE  12/14/2007	ulatory Specialist		
(This space for State use only)	RECEIVED		



# Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

Well Name: Location: Company Per		WL, NENW, Sec 33, T10S-R23 Enduring Resources, LLC	E E
above, hereby	verifies that the	n legal rights to drill on th information as submitted mains valid and does no	d in the previously
Following is a verified.	checklist of some	e items related to the ap	plication, which should be
	rivate land, has t en updated? Yes	he ownership changed, □ No □	if so, has the surface
•		the vicinity of the proposents for this location? Yes	ed well which would affect s□ No ☑
	•	er agreements put in pla proposed well? Yes□No	
		to the access route inclu proposed location? Yes[	ıding ownership, or right- ⊒ No ⊠
Has the appro	ved source of wa	ater for drilling changed?	Yes□No⊠
	uire a change in p	changes to the surface lo plans from what was disc	
Is bonding still	in place, which o	covers this proposed we	ll? Yes⊠No□
	>		12/14/2007
Signature			Date
Title: Landman	ı - Regulatory Specia	alist	
Representing:	Enduring Resource	ces, LLC	
			RECEIVEL

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DIV. OF OIL, GAS & MINING

**STATE OF UTAH**DEPARTMENT OF NATURAL RESOURCES

16

Initials:\_\_\_

(5/2000)

DIVISION OF OIL, GAS AND MINING CONFIDENTIAL	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73451
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER  OTHER	8. WELL NAME and NUMBER: Asphalt Wash 10-23-21-33
2. NAME OF OPERATOR:	9. API NUMBER:
Enduring Resources, LLC  3. ADDRESS OF OPERATOR: PHONE NUMBER:	4304737637  10. FIELD AND POOL, OR WILDCAT:
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 (303) 350-5114	Undesignated
4. LOCATION OF WELL FOOTAGES AT SURFACE: 890' FNL - 1521' FWL	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 33 10S 23E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT  ACIDIZE  DEEPEN  DEEPEN  TO ACIDIZE  DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE  CONVERT WELL TYPE  RECOMPLETE - DIFFERENT FORMATION	✓ OTHER: Request for APD Extension
Enduring Resources, LLC respectfully request an extension to the expiration date of this  FROM: 12/20/2008 TO: 12/20/2009  Approved by the Utah Division of Oil, Gas and Mining  Date: 12-24-0-8  By:	
NAME (DI EASE DRINT) Alvin R. (Al) Arlian	
WAME (PLEASE PRINT)	
SIGNATURE	
(This space for State use only)  COPY SENT TO OPERATOR	RECEIVED
Date: 12:30:2008	DEC 2.3.2008

(See Instructions on Reverse Side)



# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737637  Well Name: Asphalt Wash 10-23-21-33  Location: 890' FNL - 1521' FWL, NENW, Sec 33, T10S-R23E  Company Permit Issued to: Enduring Resources, LLC  Date Original Permit Issued: 1/26/2006
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□ No ☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
Is bonding still in place, which covers this proposed well? Yes ☑No□
Signature Date
Title: Administrative Assistant
Representing: Enduring Resources, LLC RECEIV

DEC 2 3 2008

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73451	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen igged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: ASPHALT WASH 10-23-21-33
2. NAME OF OPERATOR: Enduring Resources, LLC			<b>9. API NUMBER:</b> 43047376370000
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500,	Denver, CO, 80202 303 3	PHONE NUMBER: 350-5114 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0890 FNL 1521 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 33	P, RANGE, MERIDIAN: Township: 10.0S Range: 23.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
12/24/2009	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	☐ DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
_	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all per	tinent details including dates, denths, v	volumes, etc.
	uest an one-year extension to		rotalines, etc.
·	,		Approved by the
			Utah Division of
			Oil, Gas and Mining
		D	<b>Date:</b> December 21, 2009
		_	December 21, 2003
			ly: Dodyffell
NAME (PLEASE PRINT)	PHONE NUMBER		
Alvin Arlian	303 350-5114	Landman-Regulatory	
SIGNATURE N/A		<b>DATE</b> 12/18/2009	



Sig

# The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047376370000

**API:** 43047376370000

Well Name: ASPHALT WASH 10-23-21-33

Location: 0890 FNL 1521 FWL QTR NENW SEC 33 TWNP 100S RNG 230E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 1/26/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

TILE LEAD	sion. Following is a checklist o	i some items related to ti	ie application, v	vilicii siloulu be verilleu.
	ated on private land, has the ored (a) Yes (a) No	wnership changed, if so, l	has the surface	agreement been
	any wells been drilled in the vi requirements for this location		ell which would	affect the spacing or
	nere been any unit or other ago s proposed well? 📗 Yes 🍺		t could affect th	e permitting or operation
	there been any changes to the the proposed location?		wnership, or rig	htof- way, which could
• Has th	ne approved source of water fo	or drilling changed? 🔘 🗅	Yes 📵 No	
	there been any physical chang le in plans from what was disc			e which will require a No
• Is bor	nding still in place, which cove	rs this proposed well? 🌘	Yes 📗 No	Approved by the Utah Division of il, Gas and Mining
nature:	Alvin Arlian D	eate: 12/18/2009		
	Landman-Regulatory Represent		S. LLC Date:	December 21, 2009
			,	- (00

	STATE OF UTAH				FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEAS UTU-7	E DESIGNATION AND SERIAL NUMBER: 3451	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.	n exist Use A	ing wells below current PPLICATION FOR PERMIT TO	7.UNIT	or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well					L NAME and NUMBER: ALT WASH 10-23-21-33
2. NAME OF OPERATOR: Enduring Resources, LLC					NUMBER: 376370000
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500,			UMBER: 5114 Ext		<b>D and POOL or WILDCAT:</b> RAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0890 FNL 1521 FWL				COUNT	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 33	IP, RANGE, MERIDIAN: 3 Township: 10.0S Range: 23.0E Meridian	: S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT,	OR OT	HER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
_	ACIDIZE		ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
1/26/2011	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
SUBSEQUENT REPORT	☐ DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION
Date of Work Completion:	☐ OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK
	☐ PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	□ :	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	☐ TUBING REPAIR		VENT OR FLARE		WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	□ :	SI TA STATUS EXTENSION	1	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION		OTHER	отн	ER:
12. DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show all po	ertinen	t details including dates, depths,	volumes,	etc.
	n one year extension to APD			•	
					pproved by the
					Jtah Division of I, Gas and Mining
				Oi	
			D	ate:	01/24/2011
				F	00 eal M
			E	y: <u> </u>	was free
					99
NAME (PLEASE PRINT) Alvin Arlian	PHONE NUMBER 303 350-5114	2	TITLE Landman-Regulatory		
SIGNATURE	303 330 3117		DATE		
N/A			1/21/2011		



# The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047376370000

**API:** 43047376370000

Well Name: ASPHALT WASH 10-23-21-33

Location: 0890 FNL 1521 FWL QTR NENW SEC 33 TWNP 100S RNG 230E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 1/26/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

une revision. Following is a checklist of some items related to the application, which should be verified.
<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No

**Signature:** Alvin Arlian **Date:** 1/21/2011

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC

Sundry Number: 22429 API Well Number: 43047376370000

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73451	
SUNDR	Y NOTICES AND REPORTS C	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	posals to drill new wells, significantly described by the center plugged wells, or to drill horizon in for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: ASPHALT WASH 10-23-21-33
2. NAME OF OPERATOR: Enduring Resources, LLC			9. API NUMBER: 43047376370000
3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700		PHONE NUMBER: 03 350-5114 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0890 FNL 1521 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENW Section: 3	IIP, RANGE, MERIDIAN: 33 Township: 10.0S Range: 23.0E Meridi	an: S	STATE: UTAH
11. CHECI	CAPPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start:  1/26/2012	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
1/20/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
open Bales	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	COMPLETED OPERATIONS. Clearly show al		depths, volumes, etc.
Request for a	in one-year extension to APD	expiration date.	Approved by the
			Utah Division of Oil, Gas and Mining
			Date: January 26, 2012
			Date: Validary 20, 2012
			By: Date Hill
NAME (PLEASE PRINT)	PHONE NUMBE		
Alvin Arlian	303 350-5114	Landman-Regulatory	
SIGNATURE N/A		<b>DATE</b> 1/23/2012	

Sundry Number: 22429 API Well Number: 43047376370000



# The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047376370000

**API:** 43047376370000

Well Name: ASPHALT WASH 10-23-21-33

Location: 0890 FNL 1521 FWL QTR NENW SEC 33 TWNP 100S RNG 230E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 1/26/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed? 🔘 Yes 📵 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
D. (

Signature: Alvin Arlian Date: 1/23/2012

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC

Sundry Number: 33968 API Well Number: 43047376370000

	STATE OF UTAH		FORM 9
l ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73451	
SUNDR	RY NOTICES AND REPORTS ON	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: ASPHALT WASH 10-23-21-33
2. NAME OF OPERATOR: Enduring Resources, LLC			9. API NUMBER: 43047376370000
3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700		ONE NUMBER: 350-5114 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0890 FNL 1521 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	<b>HP, RANGE, MERIDIAN:</b> 33 Township: 10.0S Range: 23.0E Meridian:	S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOF	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
1/26/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	☐ WATER SHUTOFF ☐ :	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
42 DESCRIPE PROPOSED OR		winest details including dates of	Jantha valumas ata
	COMPLETED OPERATIONS. Clearly show all pe n one-year extension to APD te		Approved by the
110440011014		aug., gate.	Utah Division of Oil, Gas and Mining
			Date: February 19, 2013
			By: Daggill
NAME (PLEASE PRINT) Alvin Arlian	PHONE NUMBER 303 350-5114	TITLE Landman-Regulatory	
SIGNATURE		DATE	
N/A		1/21/2013	

Sundry Number: 33968 API Well Number: 43047376370000



# The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047376370000

API: 43047376370000

Well Name: ASPHALT WASH 10-23-21-33

Location: 0890 FNL 1521 FWL QTR NENW SEC 33 TWNP 100S RNG 230E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 1/26/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?   Yes  No
• Is bonding still in place, which covers this proposed well?   Yes   No

Signature: Alvin Arlian Date: 1/21/2013

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC

Sundry Number: 46969 API Well Number: 43047376370000

	STATE OF UTAH		FORM 9
[	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-73451	
SUNDR	Y NOTICES AND REPORTS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	posals to drill new wells, significantly eenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: ASPHALT WASH 10-23-21-33
2. NAME OF OPERATOR: Enduring Resources, LLC			9. API NUMBER: 43047376370000
3. ADDRESS OF OPERATOR: 511-16th Street, Suite 700	, Denver, CO, 80202	PHONE NUMBER: 303 350-5114 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0890 FNL 1521 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	<mark>IIP, RANGE, MERIDIAN:</mark> 33 Township: 10.0S Range: 23.0E Mei	ridian: S	STATE: UTAH
11. CHECK	CAPPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show in One-year extension to AF		CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  depths, volumes, etc.  Approved by the Utah Division of Oil, Gas and Mining  Date: January 27, 2014  By:
NAME (PLEASE PRINT)	PHONE NUM		
Alvin Arlian SIGNATURE	303 350-5114	Landman-Regulatory  DATE	

Sundry Number: 46969 API Well Number: 43047376370000



# The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047376370000

API: 43047376370000

Well Name: ASPHALT WASH 10-23-21-33

Location: 0890 FNL 1521 FWL QTR NENW SEC 33 TWNP 100S RNG 230E MER S

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• Is bonding still in place, which covers this proposed well?   Yes   No

Signature: Alvin Arlian Date: 1/20/2014

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC



# State of Utah

# **DEPARTMENT OF NATURAL RESOURCES**

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

ining December 24, 2014

SPENCER J. COX
Lieutenant Governor

JOHN R. BAZA
Division Director

Travis Whitham Enduring Resources, LLC 511-16th Street, Suite 700 Denver, CO 80202 43 047 37637 Asphalt Wash 10-23-21-33 33 105 23E

Re: APDs Rescinded Enduring Resources, LLC, Uintah County

Dear Mr. Whitham:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc: Well File

Bureau of Land Management, Vernal



- 4304737576 BIG PACK 11-21-44-28
- 4304737579 BIG PACK 11-21-41-33
- 4304737588 BIG PACK 11-21-42-28
- 4304737601 ASPHALT WASH 10-23-13-33
- 4304737603 BIG PACK 11-21-43-33
- 4304737615 ASPHALT WASH 10-23-41-33
- 4304737616 ASPHALT WASH 10-23-14-33
- 4304736237 SOUTHMAN CYN 10-24-11-30
- 4304737614 ASPHALT WASH 10-23-44-33
- 4304737632 ASPHALT WASH 10-23-42-33
- 4304737633 ASPHALT WASH 10-23-31-33
- 4304739920 ASPHALT WASH 10-23-32-33
- → 4304737637 ASPHALT WASH 10-23-21-33
  - 4304737638 ASPHALT WASH 10-23-11-33
  - 4304737645 E BENCH 11-22-21-20